

FYREXTRA FIXED INDUCTOR SKID



Knowsley SK



Knowsley SK Limited - Designer and Manufacturer of Fire Fighting Equipment & Systems

We know Fire. We know safety. We know you.





Established in 1896, Knowsley SK Ltd has an enviable reputation for manufacturing quality fire fighting equipment and systems for high-value asset protection that can be relied upon whenever danger strikes.

01 Product Overview

- Low Cost
- Low Maintenance
- No moving parts
- No external power supply
- Continuous uninterrupted foam supply
- Storage tank can be re-filled whilst the skid is in operation.
- Packaged skid unit for ease of installation.
- Suitable for 3% and 6% admixing systems.
- Suitable for all commercially available foam concentrates.

Foam storage and mixing is at the heart of all foam fire fighting systems. The KnowsleySK 'Fixed Inductor Skid' was developed specifically for systems where no external power is available and the required flow rate is fixed.

A wide range of available foam inductors caters for most conceivable scenarios. This enables our experienced design engineers to precisely match the fire fighting philosophy to the correct inductor both in terms of flow rate and system pressure loss.

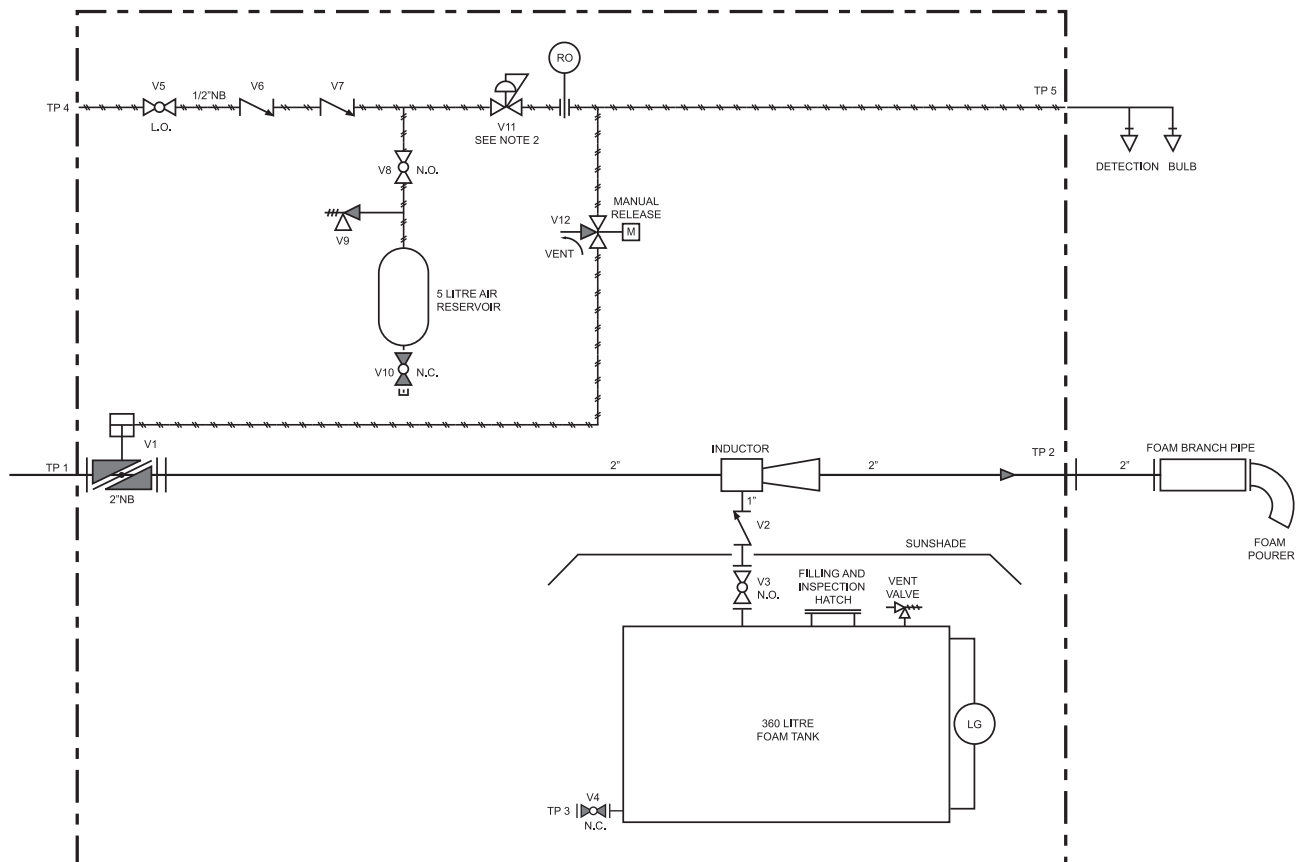


Figure 1. Typical P & ID Foam Inductor Skid

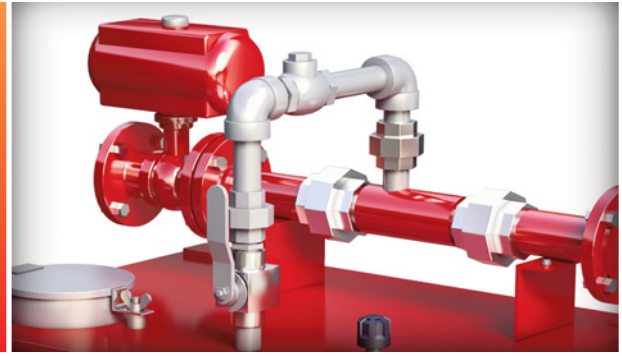


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Registered in England No. 1789152 VAT No:383475131



Our Century of experience, continuous product development and world-wide support network provides the confidence for clients to select Knowsley SK as their first choice for asset protection whatever, whenever and wherever the risk



02 Dimensions

Each system is designed to meet specific client requirements and hence configuration and dimensions will vary.

Foam storage tanks vary in size from 200 Litres to 10,000 Litres as standard with larger tanks available upon request.

Foam inductor flow rate is available in the range 200 - 4000 L/ min with approx 35% pressure drop across the unit.

04 Product Details

The KnowsleySK 'Fixed Inductor Skid' is a bespoke foam fire fighting system designed to store and mix foam solution accurately and reliably.

The system fundamentally comprises:

- A foam concentrate storage vessel and a fixed flow rate inline foam inductor.
- Firewater passes through the inductor and the carefully sized orifice nozzle draws concentrate from the tank and introduces into the firewater, at precise mixing ratio, to produce foam solution for distribution to the hazard.
- Interconnecting pipework and instrumentation are all included and housed within a bespoke packaged skid unit.

05 Performance Data

Fixed inductor skids are bespoke items designed specifically to suit individual fire scenarios. To discuss your precise requirements, please contact our sales department.

03 Product Materials

Foam Concentrate Storage Tank : HDPE / SS304 / SS306 / GRP

Foam Inductor : Aluminium Alloy / Brass / Stainless Steel

Foam Concentrate Pipework : SS304 / SS316

Firewater / Foam Solution Pipework : Galvanised carbon steel as standard with exotic materials available to suit corrosive environments or client preference.



Figure 2. Fixed Inductor Skid - Sunshade omitted for clarity

06 Spares Information

Our dedicated spares department can supply parts or complete items for all the skid components such as isolation valves, deluge valves, instrumentation, joint sets etc.

Contact our dedicated spares department. spares@knowsleysk.co.uk



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